

SAFETY DATA SHEET
according to 1907/2006/EC, Article 31

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SILICA GEL PLUS INDICATOR 338 40035

Revision 0
Revision date

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Product name SILICA GEL PLUS INDICATOR 338 40035
Company Thermo Fisher Scientific
 Solar House
 19 Mercers Row
 Cambridge
 CB5 8BZ
 UK
 www.thermo.com
Telephone +44 (0)1223 347400
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2. HAZARDS IDENTIFICATION

Main hazards May cause cancer by inhalation. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients

	Conc.	CAS	EINECS	Symbols/Risk phrases
Cobalt dichloride	0 - 0.5%	7646-79-9	231-589-4	Carc Cat 2; R49 Xn; R22 R42/43 N; R50/53

4. FIRST AID MEASURES

Skin contact Wash off immediately with plenty of soap and water.
Eye contact Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
Inhalation Move the exposed person to fresh air.
Ingestion Rinse mouth thoroughly. Seek medical attention if irritation or symptoms persist.

5. FIRE FIGHTING MEASURES

Extinguishing media Use extinguishing media appropriate to the surrounding fire conditions.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions Wear suitable protective equipment.
Clean up methods Avoid raising dust. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

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Handling	Do not breathe dust or vapour. Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing. Take precautionary measures against static discharges.
Storage	Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Exposure limits**

SILICA GEL SELF INDICATING DRYING AGENT	WEL 8-hr limit ppm: WEL 15 min limit ppm:	WEL 8-hr limit mg/m ³ : 0.1 (cobalt and compounds as Co) WEL 15 min limit mg/m ³ :
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Engineering measures	Ensure adequate ventilation of the working area.
Respiratory protection	Wear suitable respiratory equipment when necessary.
Hand protection	Chemical resistant gloves (PVC)
Eye protection	Approved safety goggles.
Protective equipment	Wear suitable protective equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Description	Granules.
Colour	Blue.
Melting point	2230°C

10. STABILITY AND REACTIVITY

Stability	Hygroscopic.
Conditions to avoid	Heat. Moisture.

11. TOXICOLOGICAL INFORMATION**Toxicological information**

SILICA GEL PLUS INDICATOR 338 40035	Oral Rat LD50 = 3160 (Silica)
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Carcinogenic effects	Carcinogenic effects.
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12. ECOLOGICAL INFORMATION

Ecotoxicity	May cause long-term adverse effects in the aquatic environment.
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13. DISPOSAL CONSIDERATIONS

General information	Dispose of in compliance with all local and national regulations.
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14. TRANSPORT INFORMATION

Further information	The product is not classified as dangerous for carriage.
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T - Toxic

**Risk phrases**

R49 - May cause cancer by inhalation.

R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases

S22 - Do not breathe dust.

S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S53 - Avoid exposure - obtain special instructions before use.

S60 - This material and its container must be disposed of as hazardous waste.

S61 - Avoid release to the environment. Refer to special instructions/safety data sheets

16. OTHER INFORMATION**Text of risk phrases in Section 3**

R22 - Harmful if swallowed.

R42/43 - May cause sensitisation by inhalation and skin contact.

R49 - May cause cancer by inhalation.

R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.